

## LISTING OF THE CLAIMS

1. (Currently Amended) Dry powder inhaler, ~~(1)~~ with comprising:  
a mouthpiece ~~(2)~~ for dispersing pharmaceutical drug formulations, having  
a Laval nozzle communicating with the mouthpiece,  
a device for supplying a powder formulation in communication with the Laval nozzle,  
an auxiliary energy source in the form of a pressure medium system in communication  
with the device for supplying the powder formulation ~~(3)~~, with  
wherein a device for provisioning ~~(6)~~ of a powder formulation ~~(7)~~, whereby upon  
activation of the pressure medium system, a gaseous pressure medium ~~(8)~~ is released by the  
pressure medium system ~~(3)~~ forms into the device for supplying the powder formulation, and  
forms an aerosol with the powder formulation ~~(7)~~ an aerosol ~~(9)~~ in such a way that the powder  
particles are present in dispersed form within the gaseous pressure medium ~~(8)~~, characterized in  
that provided in the inhaler ~~(1)~~ is a prior to entering the Laval nozzle, ~~(10)~~ through which the  
aerosol ~~(9)~~ flows before entering the mouthpiece, and leaving the inhaler ~~(1)~~.
- 2-6. (Cancelled)
7. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, characterized  
in that the narrowest cross section ~~(14)~~ of the Laval nozzle ~~(10)~~ is about 100 um to 1500 um.
8. (Cancelled)
9. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, characterized  
in that the pressure medium system ~~(3)~~ exhibits includes a pump that is connected to the  
surroundings and uses ambient air as the pressure medium ~~(8)~~.
10. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, characterized  
in that the pressure medium system ~~(3)~~ includes a cartridge that stores the pressure medium ~~(8)~~.

11. (Cancelled)

12. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 10, characterized in that air, N<sub>2</sub>, CO<sub>2</sub>, Ar, or He is provided as the pressure medium ~~(8)~~.

13. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, characterized in that the device for ~~supplying~~provisioning ~~(6)~~ of the powder formulation ~~(7)~~ is placed between the pressure medium system ~~(3)~~ and the Laval nozzle ~~(10)~~ in such a way that the pressure medium ~~(8)~~ must pass through the device ~~(6)~~.

14. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, characterized in that the device for ~~provisioning~~ ~~(6)~~ of ~~supplying~~ the powder formulation ~~(7)~~ comprises a capsule ~~(15)~~ filled with powder ~~(7)~~.

15. (Cancelled)

16. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, characterized in that the device for ~~provisioning~~ ~~(6)~~ of ~~supplying~~ the powder formulation ~~(7)~~ comprises a multidose blister container.

17. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, wherein the mouthpiece ~~(2)~~ comprises a flow rate sensor ~~(19)~~ that generates an input signal for the pressure medium system ~~(3)~~.

18. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, further comprising an inlet channel, whereby inhalation air is drawn in through the inlet channel, and whereby a swirling flow of the inhalation air is created between the outlet section ~~(12)~~ and the outlet of the mouthpiece ~~(2)~~.

19. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, characterized

in that the Laval nozzle ~~(10)~~ and an inlet channel ~~(18)~~ for inhalation air are arranged in such a way that the aerosol flow leaving the Laval nozzle ~~(10)~~ and the inhalation air are directed in opposite directions ~~(Fig. 7)~~.

20. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 1, characterized in that the Laval nozzle ~~(10)~~ and an inlet channel ~~(18)~~ for inhalation air are arranged in such a way that the aerosol flow leaving the Laval nozzle ~~(10)~~ and the inhalation air collide with each other at an angle.

21. (Currently Amended) Dry powder inhaler ~~(1)~~ according to claim 18, characterized in that ~~the a channel (30) that guides the aerosol flow and the inlet channels (18)~~ for the inhalation air empty into a swirl chamber ~~(29)~~, whereby the aerosol ~~cloud~~ is directed from the swirl chamber ~~(29)~~ to the Laval nozzle ~~(10)~~ ~~(Fig. 6)~~.

22-34. (Cancelled)